

Figure 1a

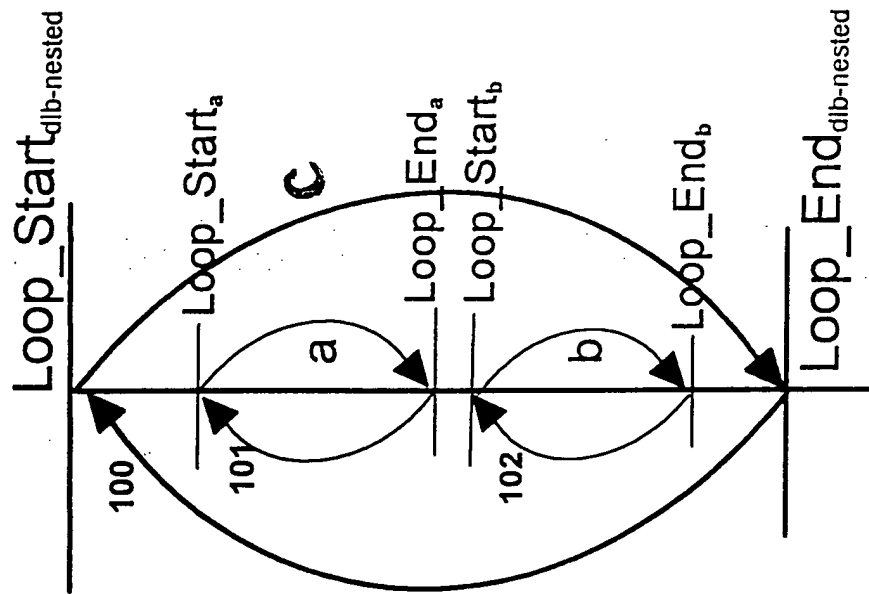


Figure 1b

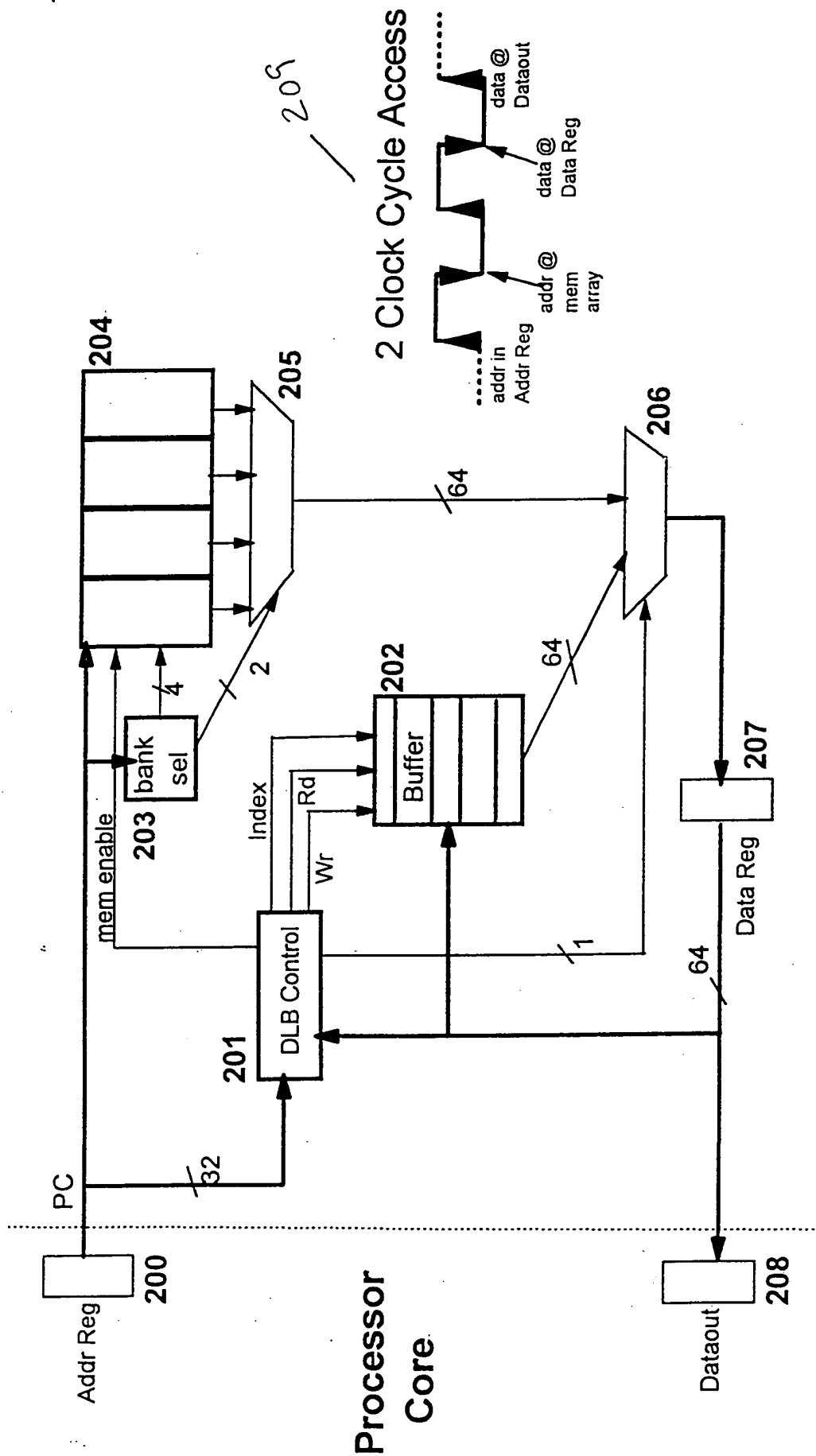


Figure 2 a

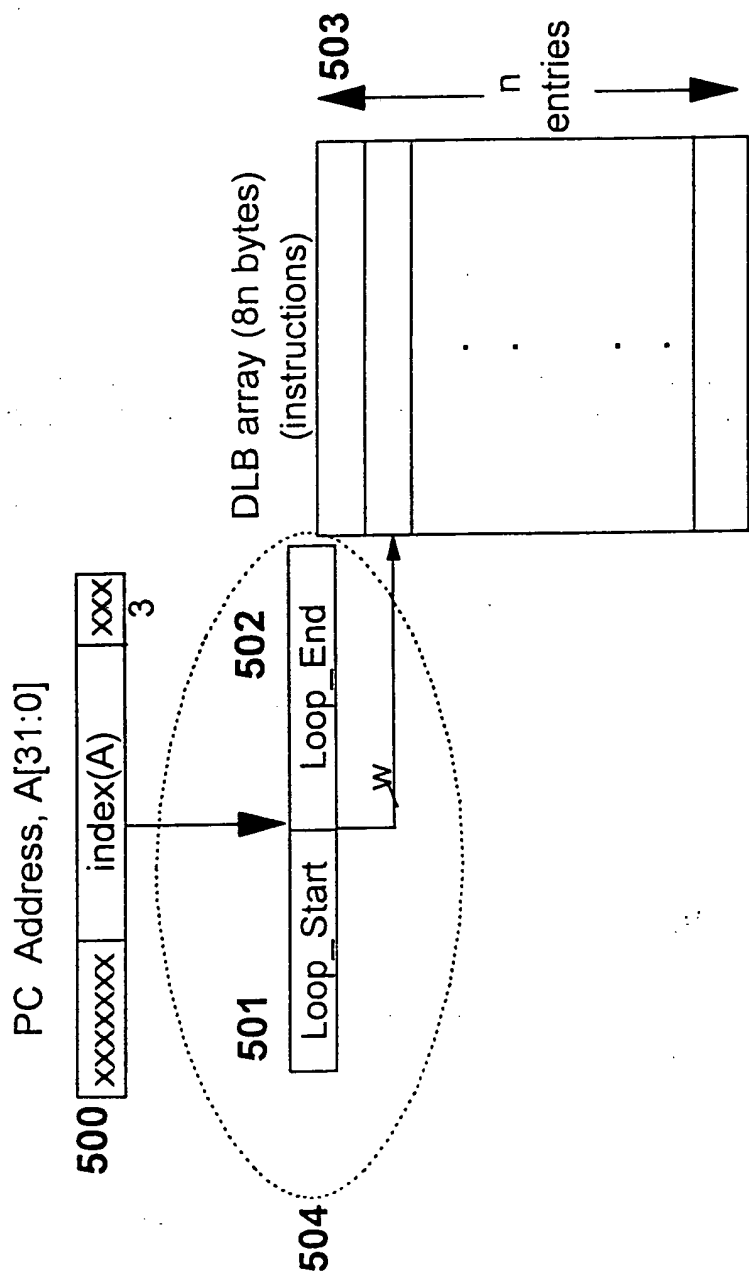


Figure 2b

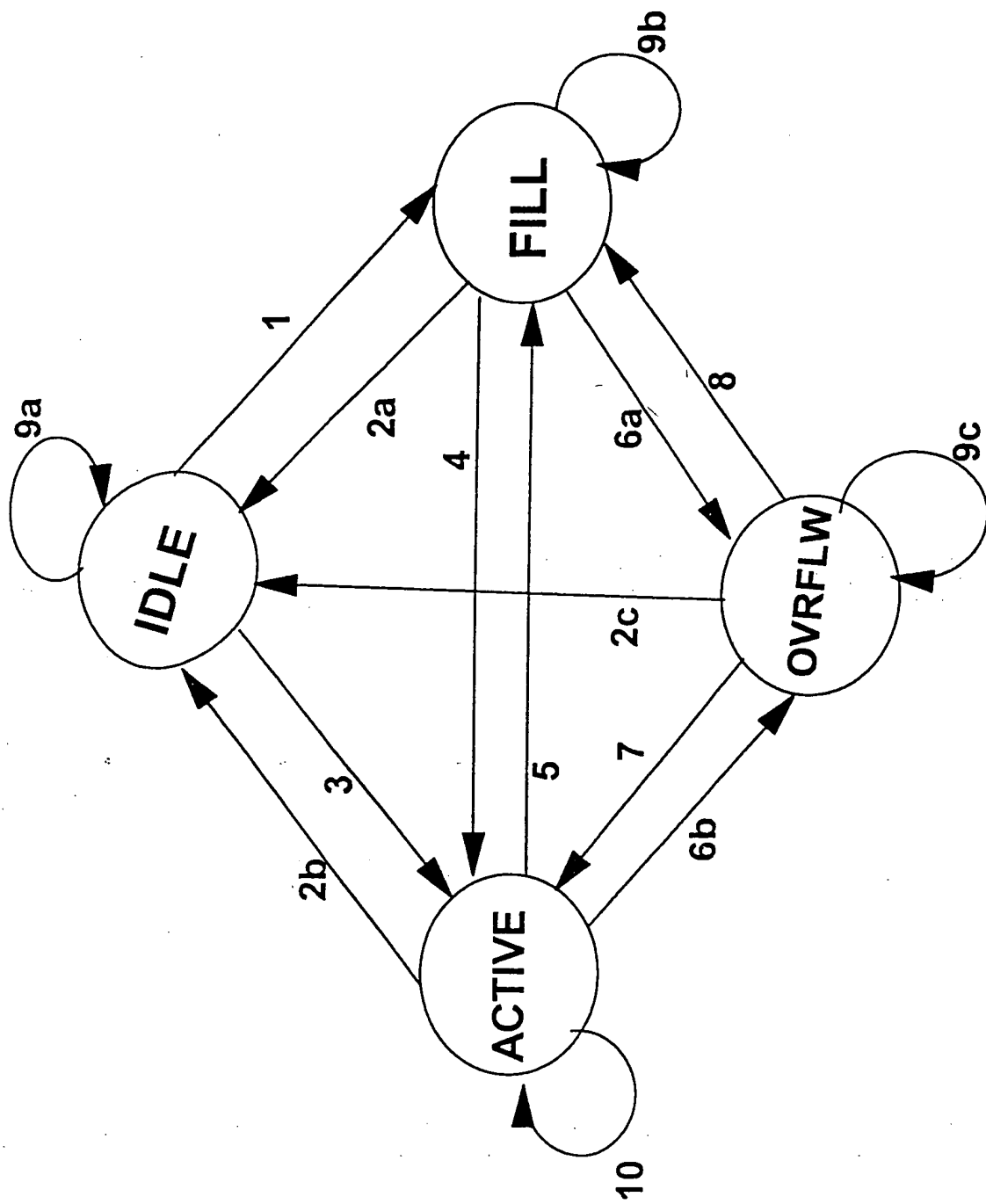


Figure 3a

ID	From - To	Condition
1	I - F	[(backward branch (bb) detected & taken)    (move within loop range & entry invalid)]
2a	F - I	[(bb not taken)    (another cof causes move outside loop range)]
2b	A - I	
2c	O - I	
3	I - A	(move into loop range & entry valid)
4	F - A	[(bb is taken again)    (another indented bb is taken)] & (entry valid)
5	A - F	[(resume filling rest of loop)    (move within loop range & entry invalid)]
6a	F - O	(end of physical loop buffer reached)
6b	A - O	
7	O - A	[(cof caused within loop range)    (bb detected and taken again)] & [(next_data within buffer range) & (entry valid)]
8	O - F	[(cof caused within loop range)    (bb detected and taken again)] & [(next_data within buffer range) & (entry invalid)]
9a	I - I	(no cof)
9b	F - F	
9c	O - O	
10	A - A	(no cof) & (entry valid)

Figure 3b

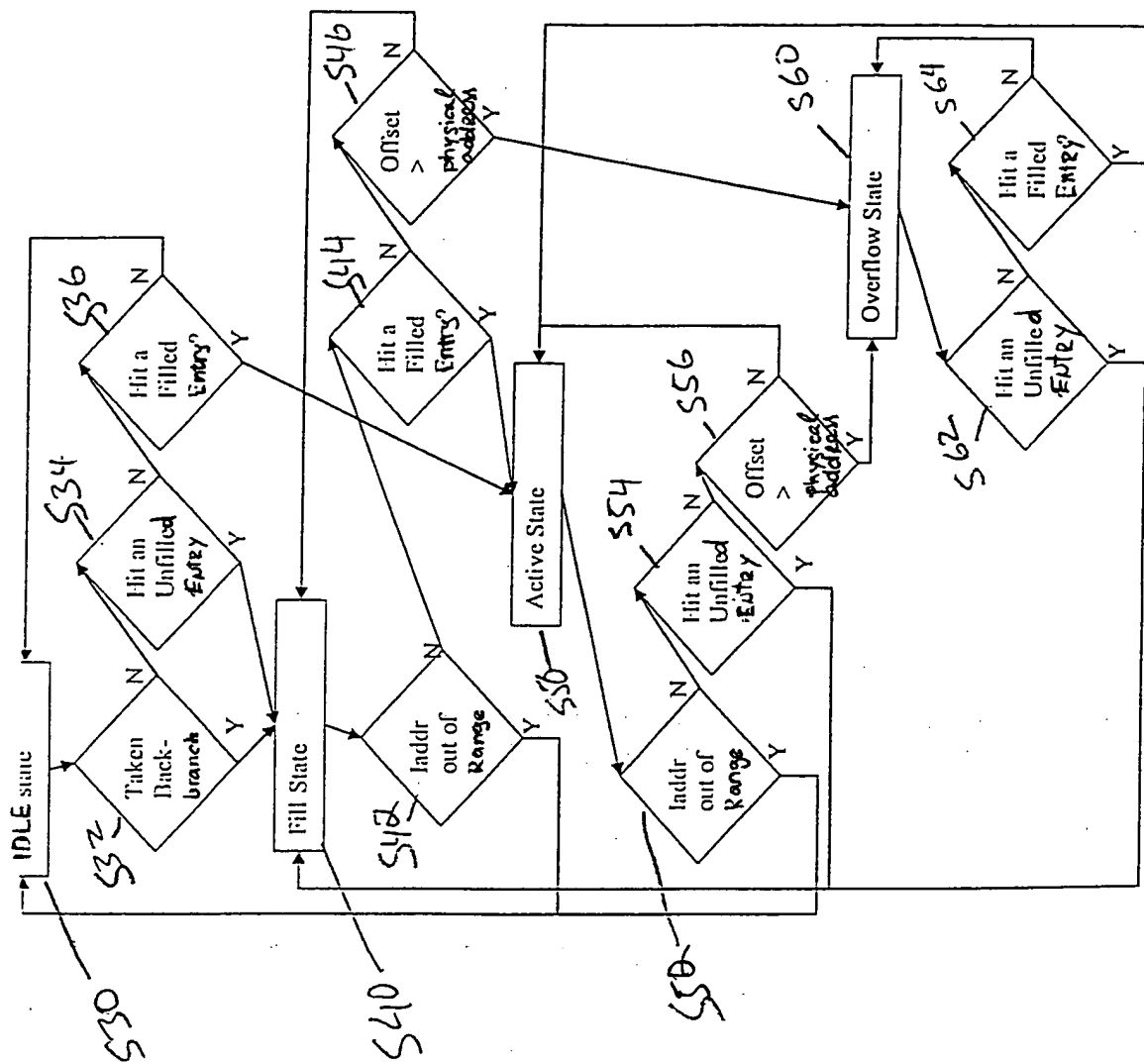


Figure 4